

WE CLAIM:

1. A transgenic chicken selectively expressing exogenous protein in tubular gland cells wherein the protein is encoded by a transgene stably integrated into a genome of the chicken and wherein the transgene is comprised at least a portion of a promoter of a gene encoding an egg white protein that is operably linked to DNA encoding the exogenous protein.
2. The transgenic chicken of claim 1 further comprising at least a second portion of a promoter of a gene encoding an egg white protein flanking the 3' end of the DNA encoding the exogenous protein..
3. The transgenic chicken of claim 1 wherein the exogenous protein is a monoclonal antibody.
4. The transgenic chicken of claim 3 wherein the monoclonal antibody is comprised of a human heavy chain.
5. The transgenic chicken of claim 4 wherein the monoclonal antibody is isotype IgG.
6. The transgenic chicken of claim 1 wherein the egg white protein is ovalbumin.
7. The transgenic chicken of claim 1 wherein the egg white protein is selected from the group consisting of ovotransferrin, ovomucoid, lysozyme, ovoglobulin G2, ovoglobulin G3, ovomacroglobulin, cystatin, ovoglycoprotein, ovoflavoprotein, and avidin.
8. The transgenic chicken of claim 1 wherein the size of the transgene is greater than 15 kb.
9. A chicken egg containing a human protein in the egg white, wherein the human protein is encoded by a transgene stably integrated into the genome of a transgenic chicken.
10. The egg of claim 9 wherein the human protein is a monoclonal antibody.